

AUTHOR INDEX TO VOLUME II

- | | | |
|--|--|---|
| <p>Adams, R., 288</p> <p>Bank, H., 288</p> <p>Bender, M. A., 31</p> <p>Blahd, W. H., 167</p> <p>Blau, M., 31</p> <p>Blaufox, M.D., 1, 95, 189, 303</p> <p>Briggs, R. C., 150</p>
<p>Chaudhuri, T. K., 97</p> <p>Christie, J. H., 97</p> <p>Conway, J. J., 305</p> <p>Czerniak, P., 288</p>
<p>DeNardo, G. L., 18</p> <p>Di Chiro, G., 270</p> <p>Domingo, M., 139</p> <p>Duszynski, D. O., 383</p>
<p>Freeman, L. M., 1, 95, 133, 189, 303</p> <p>Fremelin, J. H., 86</p> <p>Friedman, B. I., 265</p>
<p>Ganatra, R., 31</p> | <p>Gill, W. M., Jr., 201</p>
<p>Harbert, J. C., 343</p> <p>Herbert, V., 220</p> <p>Hurley, P. J., 353</p>
<p>Jacobson, S. J., 18</p> <p>James, A. E., Jr., 353</p> <p>Jowsey, J., 3</p>
<p>Kaplan, E., 139</p> <p>Kereiakes, J. G., 316</p> <p>Kniseley, R. M., 71</p>
<p>Lewitus, Z., 128</p> <p>Lin, D. H., 373</p> <p>Lubin, E., 128</p>
<p>McCready, V. R., 108</p> <p>McIntyre, P. A., 278</p> <p>McCullough, D. C., 343</p>
<p>Mandell, C. H., 133</p> <p>Maxfield, W. S., 50</p> <p>Miale, A., Jr., 201</p> <p>Mishkin, F., 328</p> | <p>O'Mara, R. E., 38</p>
<p>Pierson, R. N., Jr., 373</p>
<p>Raventos, A., 18</p> <p>Riggs, B. L., 3</p> <p>Rodriguez-Antunez, A., 201</p>
<p>Saenger, E. L., 316</p> <p>Schall, G. L., 270</p> <p>Scheinberg, I. H., 176</p> <p>Shuler, S. E., 50</p> <p>Simmons, G., 316</p> <p>Sinkow, A., 288</p> <p>Spencer, R. P., 191</p> <p>Sternlieb, I., 176</p> <p>Subramanian, G., 38</p>
<p>Waldmann, T. A., 251</p> <p>Walker, R. J., 235</p> <p>Weiss, T. E., 50</p> <p>Wellman, H. N., 316</p> <p>Wesselhoeft, H., 353</p> <p>Williams, R., 235</p> <p>Winston, M. A., 167</p> |
|--|--|---|

SUBJECT INDEX TO VOLUME II

- Abdominal scanning, in Meckel's diverticulum, 268, 383-386
- Abscess
 - of brain, in childhood, brain scanning in, 337
 - hepatic, scintigraphy in, 115, 147
 - of salivary gland, scanning in, 273
 - subdiaphragmatic, liver-lung scanning in, 150-156
- Acromegaly, bone turnover in, 10
- Albumin
 - labeled with chromium-51, 255-257
 - labeled with niobium-95, in protein metabolism studies, 258
 - labeled with technetium-99m, in lung scans, 365
 - radio-iodinated
 - in cisternography in childhood, 344
 - pediatric dosage of, 319
 - in protein-losing enteropathies, 252-255
 - radiation doses from, 325
 - for static cardiac blood-pool imaging, 364
 - for synovial membrane scanning, 51, 59
- Amebic disease, hepatic, scintigraphy in, 115-116, 147
- Anemia, marrow scanning in, 80, 81
- Angiocardigraphy, nuclear, in childhood, 353-364
 - in dextrocardia and dextroversion, 359-360
 - in Ebstein's anomaly, 358-359
 - in left-to-right shunts, 360
 - normal heart in, 356
 - postoperative assessment with, 360-361
 - in pulmonary atresia, 357
 - in tetralogy of Fallot, 357-358
 - in transposition of great arteries, 356-357
- Aorta
 - atresia of, nuclear angiocardigraphy in, 359
 - transposition of, nuclear angiocardigraphy in, 356-357
- Arthritis, synovial membrane scanning in, 50-69
- Autoradiography, for bone turnover studies, 3-14

- Barium-131**
 for bone scans, 41-45
 dosage of, 48
 physical properties of, 43
- Barium-135m**
 for bone scans, 41-45
 dosage of, 48
 physical properties of, 43
- Blood cells, labeled**
 for gastrointestinal blood loss studies, 265-268
 with sodium chromate, 266-267
 for spleen scanning, 282-283
- Blood flow**
 hepatic, measurement of, 97-105
 pancreatic, 195-196
- Blood loss, gastrointestinal, determination of, 265-268**
- Blood pool**
 cardiac
 dynamic imaging of, in childhood, 353-364
 static imaging of, in childhood, 364
 hepatic, scanning of, 128-132
- Body compartment measurements, in children, 373-381**
- Bone studies, 1-93**
 barium-131 for, 41-45
 barium-135m for, 41-45
 calcium for, 32-33
 dysprosium-157 for, 39, 41
 erbium-171 for, 39, 41
 experimental agents for, 38-48
 fluorine-18 for, 31 36
 marrow studies with radiocolloids, 71-83
 microradiography and autoradiography in, 3-14
 in neoplastic disease, 18-29
 samarium-153 for, 39
 strontium-85 for, 18-29, 33-34
 strontium-87m for, 33-34
 and synovial membrane scanning, 50-69
 technetium-99m for, 46-48
 and whole-body calcium determination, 86-93
- Brain scanning**
 in children, 328-341
 and abnormal head size or shape, 332-333
 in congenital malformations, 330-332
 in determination of brain death, 340-341
 in inflammations, 337
 in ischemic cerebral disease, 338-339
 in mental deterioration, 338
 in trauma, 339-340
- Brain scanning (continued)**
 in tumors, 333-336
 radiation doses from, 325
- Bromsulphalein removal, and hepatic blood flow studies, 99-100**
- Calcium**
 metabolism studies
 autoradiography in, 11-14
 microradiography in, 4-9
 total body content, determination of, 86-93
- Calcium-47**
 as bone scanning agent, 32-33
 pediatric dosage of, 319
- Carcinoma. See Tumors**
- Cardiac disease, pediatric, nuclear imaging in, 353-371**
- Celiac disease, iron absorption in, 245**
- Cerebral conditions. See Brain scanning**
- Cerebrospinal fluid studies, cisternography in, in childhood, 343-351**
- Ceruloplasmin**
 labeled with copper-67, in protein metabolism studies, 258
 radiocopper incorporation into, 184-186
- Cesium-129, equilibrium dose constants for, 320**
- Cesium-131, equilibrium dose constants for, 320**
- Childhood conditions. See Pediatric nuclear medicine**
- Chlormerodrin, labeled with mercury-197, pediatric dosage of, 319**
- Cholestyramine, affecting iron absorption, 244-245**
- Chromium-51**
 blood cells labeled with, 266-267
 for spleen scans, 282-283
 equilibrium dose constants for, 320
 pediatric dosage of, 319
 proteins labeled with, 255-257
 radiation doses from, 325
- Cirrhosis**
 iron absorption in, 246
 radiocopper in diagnosis of, 179-180
 scintigraphy in, 121-122, 136
- Cisternography, in childhood, 343-351**
- Citrate, labeled with iron-59, for gastrointestinal blood loss, 268**
- Cobalt-57, equilibrium dose constants for, 320**
- Cobalt-58, equilibrium dose constants for, 320**
- Cobalt-60 equilibrium dose constants for, 320**

- Colloids**
in hepatic blood flow studies, 101-104
in liver scanning, 109
in spleen scanning, 283-284
See also Gold-198; Technetium-99m
- Copper, radioactive**
ceruloplasmin labeled with, in protein metabolism studies, 258
in diagnosis of liver disease, 176-186, 190
in cirrhosis, 179-180
in Wilson's disease, 177-179
excretion studies of, 180
hepatic uptake of, 181-184
incorporation into ceruloplasmin, 184-186
physical properties of, 176
physiologic behavior of, 177
plasma measurements of, 184
whole-body turnover of, 180-181
- Cyanosis in childhood, nuclear imaging in, 353-371**
- Cysts**
hepatic, scintigraphy of, 113, 147
intracranial, and brain scanning in childhood, 330
salivary gland, scanning in, 272-273
- Dandy-Walker cyst, brain scanning in, 330-331**
- Dextrocardia and dextroversion, nuclear angiocardigraphy in, 359-360**
- Dye removal studies, of hepatic blood flow, 99-101**
- Dysprosium-157**
for bone scans, 39, 41
dosage of, 48
physical properties of, 43
- Ebstein's anomaly, nuclear angiocardigraphy in, 358-359**
- Embolism, pulmonary, in childhood, lung scans in, 366-367**
- Enteropathies, protein-losing, 251-263**
- Erbium-171**
for bone scans, 39, 41
dosage of, 48
physical properties of, 43
- Fallot tetralogy, nuclear angiocardigraphy in, 357-358**
- Fick principle, and liver blood flow, 99**
- Fluorine-18**
for bone scans, 31-36
compared to strontium, 33-34
dosage of, 48
equilibrium dose constants for, 320
physical properties of, 43
- Gallium-67**
equilibrium dose constants for, 320
in scintigraphy of liver, 133
- Gastrectomy, iron absorption after, 245**
- Gastrointestinal tract**
abdominal scanning in Meckel's diverticulum, 268, 383-386
blood loss determinations, 265-268
iron transport abnormalities, 235-246
liver studies. *See* Liver
pancreas, 191-218
protein-losing enteropathy, 251-263
salivary gland scanning, 270-276
spleen scans, 278-286
stomach disorders, 288-299
vitamin B₁₂ malabsorption, detection of, 220-232
- Gold-198, colloidal**
in hepatic blood flow studies, 101-104
in liver scanning, 109
in marrow scanning, 71, 72
radiation doses from, 325
in spleen scanning, 284
- Gout, synovial membrane scanning in, 65**
- Granulomas of liver, scintigraphy in, 116**
- Heart disease in childhood, nuclear imaging in, 353-371**
- Hemangiomas, hepatic, scintigraphy in, 113-114, 147-148**
- Hematoma, subdural, in childhood, brain scans in, 340**
- Hemiplegia, juvenile, brain scanning in, 333**
- Hemochromatosis, iron absorption in, 245-246**
- Hepatic artery, anatomy of, 97**
- Hodgkin's disease**
hepatic scintigraphy in, 119-121
marrow scanning in, 80
- Hyaline membrane disease, nuclear angiocardigraphy in, 363-364**
- Hydatid disease, hepatic, scintigraphy in, 114-115**
- Hydrocephalus**
brain scanning in, 332-333
cisternography in, 343-351
- Hypertension, pulmonary, in childhood, lung scans in, 366**
- Indicator dilution studies, of hepatic blood flow, 104-105**
- Indium-113m**
equilibrium dose constants for, 320
in liver scanning, 109
in synovial membrane scanning, 54, 59

- Indium-133m, colloid, for spleen scanning, 284
- Indocyanine green removal, and hepatic blood flow studies, 100
- Intracranial conditions. *See* Brain scanning
- Intrinsic factor, in vitro assay for, 229-231
- Iodine
- serum proteins labeled with, 252-255
 - See also* Albumin, radio-iodinated
 - thyroid uptake of, whole-body counter for, in childhood, 381
- Iodine-123 equilibrium dose constants for, 320
- Iodine-125, equilibrium dose constants for, 320
- Iodine-131
- albumin labeled with. *See* Albumin, radio-iodinated
 - equilibrium dose constants for, 320
 - in gastric studies 289, 324
 - pediatric dosage of, 311
 - polyvinylpyrrolidone labeled with, 255
 - radiation doses from, 325
 - rose bengal labeled with. *See* Rose bengal, radio-iodinated
- Iodipamide-131, for synovial membrane scanning, 51, 59
- Iron-52, equilibrium dose constants for, 320
- Iron-55, equilibrium dose constants for, 320
- Iron-59
- citrate labeled with
 - for gastrointestinal blood loss, 268
 - pediatric dosage of, 319 - equilibrium dose constants for, 320
 - iron-dextran labeled with, in protein metabolism studies, 257-258
- Iron transport abnormalities, gastrointestinal, 235-246
- in deficiency states, 244-245
 - in hemochromatosis, 245-246
 - in malabsorption states, 245
 - physiologic mechanisms in, 235-240
 - whole-body counting in, 240-243
- Jaundice
- liver scintigraphy in, 122-123
 - pancreas scanning in, 216
- Kidney scanning, radiation doses from, 325
- Kupffer cells, colloids in studies of, 101-104
- Leukemia, marrow scanning in, 80
- Liver studies, 95-187
- blood flow measurement, 97-105
 - radiocopper in diagnosis of disease, 176-186, 190
 - rose bengal in
- Liver studies—(Continued)
- in jaundiced patients, 167-174
 - metabolism and physiology of, 157-164
 - scintigraphy in, 108-124
 - in abscess, 115, 147
 - agents used in, 108-109
 - in amebic disease, 115-116, 147
 - blood pool studies, 128-132
 - in cirrhosis, 121-122, 136
 - in cystic disease, 113, 147
 - dynamic vascular studies with, 133-138
 - false positive scans in, 123-124
 - in focal lesions, 139-148
 - in granulomas, 116
 - in hemangiomas, 113-114, 147-148
 - in hydatid disease, 114-115
 - with lung scanning, in subdiaphragmatic abscess, 150-156
 - in neoplasms, 116-121, 136, 146
 - in obstructive jaundice, 122-123
 - in pseudotumors, 146
 - radiation doses from, 325
 - for size estimations, 110-111
 - in space-occupying lesions, 111-116
 - with spleen scanning, 278-286
 - technicalities in, 109-110
- Lung scans
- in childhood, 365-371
 - in intracardiac shunting, 367
 - postoperative assessment with, 367-371
 - in pulmonary embolism, 366-367
 - in pulmonary hypertension, 366
 - liver-lung scanning, in subdiaphragmatic abscess, 150-156
- Lymphomas, malignant
- hepatic scintigraphy in, 119-121
 - marrow scanning in, 80
- Lymphoproliferative disorders, marrow scanning in, 80
- Lymphosarcoma, marrow scanning in, 80
- Malformations, intracranial, and brain scanning in childhood, 330-332
- Marrow studies, radiocolloids for, 71-83
- Meckel's diverticulum, abdominal scanning in, 268, 383-386
- Medico-legal aspects of radionuclide use in children, 306
- Meningitis, in childhood, brain scans in, 337
- Mental deterioration in childhood, brain scans in, 338
- Mercuri-hydroxypropane, blood cells labeled with, for spleen scans, 282, 283
- Mercury-197
- chlormerodrin labeled with, pediatric dosage of, 319

- equilibrium dose constants for, 320
- radiation doses from, 325
- Mercury-203
 - equilibrium dose constants for, 320
 - radiation doses from, 325
- Metastases
 - to bone, bone scanning in, 18-29
 - to liver, scintigraphy of, 117-119, 142-146
 - marrow scanning in, 81
- Methionine, labeled with selenium-75. *See* Selenium-75
- Microradiography, for bone turnover studies, 3-14
- Mikulicz's disease, salivary gland scanning in, 271
- Myelofibrosis, marrow scanning in, 80
- Myeloma, multiple, marrow scanning in, 80
- Myeloproliferative disorders, marrow scanning in, 80
- Neutron activation analysis, for total body calcium, 86-93
- Niobium-95, albumin labeled with, in protein metabolism studies, 258
- Osteoarthritis, synovial membrane scanning in, 67
- Osteogenesis imperfecta, bone turnover in, 10
- Osteoporosis, bone turnover in, 10
- Pancreas
 - in absorption tests, 194-195
 - blood supply of, 195-196
 - dimensions of, 196-197
 - enzymes of, 192-194
 - growth of, 197-199
 - scanning studies of, 201-218
 - in carcinoma, 211, 216-217
 - clinical results of, 214-218
 - false negative results in, 214-215
 - false positive results in, 214
 - instrumentation for, 204-207
 - interpretation of, 207-214
 - in pancreatitis, 211, 217-218
 - secretions released by, 193
- Pancreatitis, scanning studies in, 211, 217-218
- Parathyroid disorders, bone turnover in, 10
- Paresis in childhood, brain scans in, 338-339
- Parotid gland tumors, scanning in, 272-273
- Pediatric nuclear medicine, 303-386
 - abdominal scanning in Meckel's diverticulum, 268, 383-386
 - body compartment measurements, 373-
- Pediatric nuclear medicine—(Continued)
 - 381
 - brain scanning, 328-341
 - cardiac disease
 - angiocardigraphy in, nuclear, 353-364
 - lung scans in, 365-371
 - static imaging of heart in, 364
 - cisternography, 343-351
 - consent for procedures in, 306-308
 - considerations in, 305-314
 - dosage in, 311, 316-325
 - imaging procedures in, 310-311
 - medico-legal aspects of, 306
 - research with, 308-310
 - sedation in, 311-314
- Pericardial effusion in childhood, cardiac blood-pool imaging in, 364-365
- Pertechnetate. *See* Technetium-99m, pertechnetate
- Phagocytic function of reticuloendothelial system, radiocolloids in study of, 78-83
- Polycythemia vera, marrow scanning in, 80
- Polyvinylpyrrolidone, iodinated, in protein metabolism studies, 255
- Portal vein, anatomy of, 97
- Potassium measurements in children, whole-body counters for, 376-377, 380-381
- Protein-losing enteropathy, 251-263
 - ⁵¹Cr-labeled proteins in, 255-257
 - ⁶⁷Cu-labeled ceruloplasmin in, 258
 - diseases associated with, 259-262
 - ⁵⁹Fe-labeled iron dextran in, 257
 - iodinated PVP in, 255
 - ⁹⁵Nb-labeled albumin in, 258
 - radioiodinated serum proteins in, 252-255
 - therapy of, 262-263
- Proteins
 - chromium-labeled, 255-257
 - radio-iodinated, 252-255
 - See also* Albumin, radio-iodinated
- Pseudohypoparathyroidism, bone turnover in, 10
- Pulmonary artery disorders, nuclear angiocardigraphy in, 356-357
- Pulmonary conditions
 - in childhood, lung scans in, 366-367
 - See also* Lung scans
- Radiation damage, marrow scanning in, 81
- Reiter's disease, synovial membrane scanning in, 65
- Respiratory disease in newborn, nuclear angiocardigraphy in, 363-364
- Reticuloendothelial system of liver, 97
- colloids in study of, 78-83, 101-104

- Rose bengal, radio-iodinated**
 in liver studies, 108-109, 122
 blood flow studies with, 100
 in differential diagnosis of jaundiced patients, 167-174
 dynamic imaging techniques with, 169-173
 external monitoring with, 157-158
 metabolism and physiology of, 157-164
 rectilinear scanning techniques with, 167-169
 pediatric dosage of, 311, 319
 radiation doses from, 325
- Rubidium-81, blood cells labeled with, for spleen scans, 283**
- Salivary gland scanning, 270-276**
 in inflammatory diseases, 273-274
 in Sjögren's syndrome, 274
 in tumors, cysts and abscesses, 272-273
- Samarium-153**
 for bone scans, 39
 dosage of, 48
 physical properties of, 43
- Scanning studies. See Scintigraphy and scanning**
- Schilling test, for vitamin B₁₂ absorption, 223-226**
- Scintigraphy and scanning**
 abdominal, in Meckel's diverticulum, 268, 383-386
 of bone, in neoplastic disease, 18-29
 combined liver-lung scanning in subdiaphragmatic abscess, 150-156
 in liver disease, 108-124
 of lung, in cardiac disease of childhood, 365-371
 of pancreas, 201-218
 of salivary gland, 270-276
 of spleen, 278-286
 of stomach, 288-299
- Sedation, in pediatric nuclear medicine, 311-314**
- Selenium-75**
 equilibrium dose constants for, 320
 in liver scintigraphy, 133, 139-148
 in pancreas scanning, 201-218
 pediatric dosage of, 319
- Sialoadenitis, salivary gland scanning in, 273-274**
- Sjögren's syndrome, salivary gland scanning in, 274**
- Skeletal studies, 1-93**
See also Bone studies
- Sodium chromate, blood cells labeled with, 266-267**
 for spleen scans, 282-283
- Spleen scanning, 278-286**
 clinical uses of, 279-282
 methods of, 282-286
 radiation doses from, 325
- Sprue, tropical, iron absorption in, 245**
- Stomach disorders, evaluation of, 288-299**
- Strontium-75, equilibrium dose constants for, 320**
- Strontium-85**
 for bone scans, in neoplastic disease, 18-29
 pediatric dosage of, 319
- Strontium-87m**
 for bone scans, 33-34
 compared to fluorine-18, 33-34
 dosage of, 48
 equilibrium dose constants for, 320
 physical properties of, 43
- Sturge-Weber syndrome, brain scanning in, 331**
- Synovial membrane scanning, in arthritic disease, 50-69**
 indium-113m for, 54, 59
 iodinated human serum albumin for, 51, 59
 iodipamide-131 for, 51, 59
 technetium-99m for, 54-69
- Technetium-99m**
 albumin labeled with
 in lung scans, 365
 in synovial membrane scanning, 59
 whole-body doses of, 325
 blood cells labeled with, radiation doses from, 325
 colloidal
 in liver studies, 101-104, 109, 133-138
 in marrow scanning, 71-83
 pediatric dosage of, 311
 radiation doses from, 325
 in spleen scanning, 284-285
 DTPA, for synovial membrane scanning, 54-69
 equilibrium dose constants for, 320
 pertechnetate
 in abdominal scanning, 268, 383-386
 blood cells labeled with, for spleen scans, 283
 in brain scanning, in childhood, 328-341
 in gastric studies, 289-299
 pediatric dosage of, 311
 radiation doses from, 325
 in salivary gland scanning, 270-276
 in synovial membrane scanning, 50-69
 physical properties of, 43

- polyphosphate complex, for bone scans, 46-48
- Tetralogy of Fallot, nuclear angiocardigraphy in, 357-358
- Thrombocytopenia, essential hemorrhagic, marrow scanning in, 80
- Thyroid
 - bone turnover in disorders of, 10
 - doses from radioiodine compounds, 325
 - whole-body counter for uptake of iodine, in childhood, 381
- Trauma, intracranial, in childhood, brain scans in, 339-340
- Triolein, radioiodinated, pediatric dosage of, 319
- Tuberculosis, cerebral, in childhood, brain scans in, 337
- Tumors
 - bone scanning in, 18-29
 - intracranial, in childhood, brain scanning in, 333-336
 - of liver, scintigraphy in, 116-121, 136, 146
 - and blood pool scanning, 128-132
 - marrow scanning in, 80, 81
 - metastatic. *See* Metastases
 - of pancreas, scanning studies in, 211, 216-217
- Tumors—(Continued)
 - of salivary glands, scanning in, 272-273
 - of stomach, gastroscintigraphy in, 299
- Ulcer, peptic, gastroscintigraphy in, 299
- Vascular lesions
 - angiocardigraphy in, in childhood, 353-364
 - of liver, scintigraphy of, 133-138
- Vitamin B₁₂ malabsorption, detection of, 220-232
 - and intrinsic factor studies, 229-231
 - in vivo tests for, 221-231
 - and retesting after B₁₂ therapy, 231-232
 - Schilling test in, 223-226
 - and serum B₁₂ levels, 229
- Warthin's tumors, salivary gland scanning in, 273
- Whole-body counting, in childhood, 373-381
- Wilson's disease, radiocopper in diagnosis of, 177-179
- Xenon-133, equilibrium dose constants for, 320